SEVERE LOCAL STORMS

[Compiled by Mary O. Souder from reports submitted by Weather Bureau officials]

[The table herewith contains such data as has been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the United States Meteorological Yearbook]

| Place | Date | Time | Width of path, | Loss of life | Value of property | Character of | Remarks |
|--|-------|--------------|-------------------|-----------------|---|--------------------------------------|--|
| Washington, western portion | 7 | | yards | | destroyed \$6,000,000 | Storm Wind | |
| of the State. | | | | | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | Narrows Bridge at Tacoma. The maximum wind velocity was recorded at 31 miles per hour. |
| South Dakota, eastern section. | 9-12 | | | 2 | | Blizzard | snows of blizzard proportion and zero visibility at times. Subzero tem- |
| | | | | | | ! | peratures snapped ice-coated communication lines, blocked highways, stalled railroad trains, caused cancelation of Armistice Day programs, closed schools, and marooned travelers. Stock, turkeys, chickens, and |
| | | | | • | | | pheasants were frozen to death where shelter was lacking. 2 deaths due to severe weather. |
| Nebraska, south - central and southeastern portions. | 10–11 | | 1 100-200 | | 200, 000 | Widespread ice- storm with freez- | This storm was preceded by freezing rain over the south-central and south eastern portions. Estimated loss to turkeys and other livestock was |
| | | | | | | ing rain. | \$200,000. Many fruit and shade trees injured by the severe freeze, which came while most of the leaves were still green. Many roads and highways |
| Minnesota | 10-12 | | | 49 | 1, 500, 000 | Glaze, sleet, snow, | closed especially in the northeastern portion of the State, but were soon open to traffic again. The storm began with drizzling rain during the afternoon of the 10th and |
| | | | | | 2, 300, 000 | wind, and cold wave. | changed to glaze and sleet on the morning of the 11th when the tempera- ture dropped to the freezing point. Several hours later precipitation |
| | | | | | | | was entirely in the form of snow which continued through the remainder of the 11th and throughout most of the 12th with strong northerly to |
| | | | | | | | westerly winds that drifted the snow badly. The cold wave that followed in the wake of the storm caused much suffering and was very |
| | | | | | | | destructive. Hundreds of automobiles were abandoned in deep snow drifts, transportation facilities were at a standstill, and many persons unable to reach their homes. Train, bus, airplane, and street car service |
| | 1 | | | | | | interrupted from the afternoon of the 11th to the afternoon of the 14th, and some services were not fully restored until the 16th. There were |
| | | | ļ | | | | many miles of snow-drifts. In the Willmar area, drifts as high as 20 feet were reported. Highway traffic was blocked generally throughout the |
| | | | |] | | | area affected. This condition improved very slowly. Some side roads were not open to traffic until near the close of November. Most seriously affected by the ctory were the turker forms, averbed with a start and |
| | | | | | | | affected by the storm were the turkey farms, overhead wire systems, and the State highway department. Turkey losses were estimated at \$500,000. Thousands of game birds as well as much livestock and poultry |
| | | | | | | | perished. The total loss from the storm and cold wave is estimated at over \$1,500,000, but the economic loss from delayed traffic of all kinds, |
| | | | | ł | | | loss of wages and loss to business was much greater. Schools were closed for several days. Numerous accidents resulted from poor visibility. |
| | | | | | | | Many of the 49 persons who lost their lives were duck hunters, who, like others, were caught unprepared by the sudden storm and cold wave. Undoubtedly this storm will go down into meteorological history as the |
| Huntsville, Tex | 11 | 1:10 a. m | 440 | | 50, 000 | Straight-line-wind. | most severe ever experienced during November in the State. |
| Leota to Hollandale, Miss., | 11 | About 2 a.m. | 50 | 0 | 200, 000 | Tornado | service disrupted. |
| and vicinities. Crocket Mills and Dresden, Tenn. | 11 | 4:15-5 a. m | - | 0 | 160, 000 | do | Property damaged; several persons slightly injured. |
| Illinois, entire State | 11 | | | 13 | 2, 000, 000 | Wind | to 100 persons injured. The highest wind velocity, 46 miles per hour, at |
| Indiana, entire State | 11 | | | 1 | 200, 000 | do | Springfield, was the highest ever recorded for November at that place. This storm recorded as one of the most general and severe wind storms on record. Buildings, trees, poles, and wires damaged. 27 persons injured. |
| Davenport, Iowa, 1 mile west | 11 | | ĺ | 0 | 3, 000 | Tornado | Storm moved northeastward and caused property damage along a 7-miles |
| Iowa, western and northern portions. | 11 | | | | 500, 000 | Blizzard | The heaviest snowfall, amounting to 17 inches, was recorded at Pringhar. High winds blew steadily in excess of 30 miles an hour for considerable |
| | | | l | | | | period of time with some gusts exceeding 50 miles an hour, causing snow to drift badly interfering with rail and highway traffic. There was considerable damage to power and communication lines. Many high- |
| | | | | | | | ways blocked with considerable loss to motorists generally as well as to commercial truck operators. Thousands of private automobiles had |
| | | | | | | | frozen radiators. There were several automobile accidents caused by the storm and numerous cars were stalled in drifts. Buses ran behind |
| Michigan | 11-12 | | | 73 | | Wind | schedule. Rail travel delayed, some trains canceled. With the exception of the storm of November 9-10, 1913, this was the most |
| | | | | | | | disastrous and widespread wind storm in the history of Michigan or Lake Michigan. The larger ships with loss of life are the Novadoc with a loss of 2 lives; the Minch, loss of 24 lives; the Davock, a 7,200 ton freighter, |
| | | | | | | | loss of 33 lives. The Novadoc, grounded near Pentwater and the remaining crew of 17 was safely removed by the fishing tug Three Brothers |
| | | | | | | | under command of Mr. Clyde Cross. The rescue was pointed out as an unusually heroic effort on the part of Mr. Cross and his assistants. Other |
| | | | | | | | heroic rescues were made by both fishermen and Coast Guard. Inland property damage including buildings, communication and power lines, |
| | | | | | | | trees and signboards. Automobiles had to slow down in order to keep from being blown from highways. Deer hunters headed from the Upper Peninsula were stranded at the Straits until the storm subsided. The |
| | | | | | | | wind of such terriffic force from the southwest that it blew sufficient water out of the Saginaw River and the Saginaw Bay to cause the lowest reading |
| | | | | | ļ | | of record at the official river gage at Saginaw. The depth of the water in the river was reduced by 8 feet during the blow and reports point out that |
| | | | | | | | the water line receded as much as a mile in Saginaw Bay. Extreme wind velocities ranged from 36 miles at Sault Ste Marie, Mich., to 80 miles at |
| New York, western and | 11-12 | | | 1 | 10.000 | do | Grand Rapids and 56 miles at Detroit. Total damage estimated in millions of dollars. Wind reached gale force with considerable damage locally mostly to tele- |
| central portion of the State. | | | | | 10,000 | | graphic and power lines, caused by falling trees and branches. Minor damage to windows and signs. Damage in Buffalo and vicinity esti- |
| Wisconsin, entire State ex- | 11-12 | | | 23 | 300, 000 | do | mated at \$10,000. 2 girls seriously injured by falling tree. Maximum wind velocity of 54 miles per hour from the southwest was re- |
| cept the far northeast. | | | | | | | corded 4 separate times in Milwaukée. There was much suffering among duck hunters, many losing their lives through being marconed on islands because of high winds and waves on inland waters and subsequent ex- |
| | | | | ļ | | į | posure and freezing as the temperature dropped rapidly. 2 died in Wau- kesha County and it is estimated that about 20 were lost on the Missis- |
| W-lan to C C | 00.00 | 0.3 | | | | | sippi River between St. Paul and Prairie du Chien, Wis. A man was killed by a falling wall in Milwaukee. Much damage to utility wires. |
| Union to Curry Counties, N. Mex. Illinois, northern half of State. | 23-24 | 2 days | | | 10.000 | Heavy snow and glaze. Sleet and ice | Considerable damage to overhead lines in the extreme eastern portion of the State. No estimate of damage available. |
| Ouachita County, Ark | 27-28 | | | | 10,000 | Heavy rain and | Moderate damage to trees, telephone and power lines. Damage in De Witt County alone \$10,000. Loss in mature crops, \$500; for suspension of business, \$500. |
| 1 Miles instead of yards. | | | | | -, 000 | flood. | |

¹ Miles instead of yards.